Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poc	ol BAST	¥		_Formation	nDAKO	ra		_County_	RIO ARR	IRA	
Ini	tial		Annual		Special				Date of Test2_6_62		
Con	ipany stat	IT OIL C	OMPANY		LeaseTTCAPTILA WBW			Wel	.1 No		
Uni	.t <u>n</u> S	Sec 👍	_Twp	ZAN R	ge 9 i	Purc	haser				
Cas	ing h	19.5# /t.11.4#	I.D.	.052 .000 Se	et at <u>71</u>	Pe	rf 6961		То	7022	
Tubing 2 3/60 Wt. 1.0.1 006 Set at 70120 Perf. 702 To Gas Pay: From 666 To 7022 L 7612 xG 760 -GL 4006 Bar. Press. 12.0											
Producing Thru: Casing Tubing X Type Well Single - Geo Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 2-6-62 Packer Reservoir Temp.											
	•					ED DATA	10001 10	,11 10.mp			
Tes	ted Through	<i>(719191</i>	(Choke	e) (}{\$\$ \$\$		DE DRIK		Type Tap	s		
		Flo	Flow Data				Tubing Data		ata	Γ	
No.	(Prover) (Line)	(Choke	Prese	ss. Diff.]		Temp.	Press.		Duration of Flow	
SI	Size	Size	ps:	ig h _w	°F.		°F.	psig	[⊃] F•	Hr.	
$\frac{SI}{1.}$		3/4*	149		60	2254	60	2312			
2.		3/4-	- 44			149_		512	-	3 Hours	
3.		<u> </u>									
4. 5.			 -		 			<u> </u>			
	FLOW CALCULATIONS										
No.				Pressure	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			ty Compress. Rate of Flow or Factor Q-MCFPD			
		r) $$	h _w p _f	psia	Ft	t	$^{\mathrm{F}}g$	Fpv		@ 15.025 psia	
1. 2. 3. 4.	12,3650			161	_1,0000		9258	1,000		1843	
<u>3</u> .											
4.											
2. 1											
	Liquid Hydro ity of Liqui				ESSURE CA	ALCUFATIO	Speci			rator Gas ing Fluid	
c(1-e ^{-s})_				3)				2921	P _C		
							U				
No.	P _w Pt (psia)	Pt ²	F _c Q	(F _c Q) ²	(F ₀	Q) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Ca P		
].							274.6	5126.4		.225	
1. 2. 3. 4.				-					 		
4.									+		
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COM	plute Potent					n0.7					
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WITH	NESSEDPANY			0 80							
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INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.